

1. Power supply equipment for a motor vehicle, comprising a motor generator, an inverter for driving said motor generator, a battery and a capacitor of an electrical double layer,

2. The power supply equipment for a motor vehicle according to claim 1, further comprising:

3. The power supply equipment for a motor vehicle according to claim 2, further comprising:

4. The power supply equipment for a motor vehicle according to claim 3, wherein:

said control means determines which of said first and second switching means should be turned on, depending on a difference in voltage between said capacitor and said battery when said battery and said

said capacitor being connected on its higher voltage side to a higher voltage terminal of said

battery via first switching means; and

said capacitor being connected on its higher
voltage side to a lower voltage terminal of said
battery via second switching means.

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